

ABSTRACT

"Touchless Wheel and Tire Cleaner Composition"

An aqueous wheel cleaning solution for removing the dirt form the surface of aluminum, chrome, stainless steel, painted steel, painted aluminum, clear coated aluminum, rubber, and plastic wheels and tires without scrubbing by applying the cleaning solution to the wheel and/or tire then rinsing the wheel and/or tire with water. Selected polymers include a polyvinylpyrrolidone, a poly(N-vinylimidazole, a poly(4-vinylpyridine-betaine), and/or a poly(4-vinylpyridine-N-oxide) each one of which can be used with conventional wheel cleaning components such as an acid or alkaline-based cleaning formulation to dramatically improve its wheel cleaning power. These polymers can attach to organic and inorganic dirt particles forming a complex with them for easy removal from the wheel and/or tire during rinsing, leaving the wheel and/or tire clean without scrubbing the wheel or tire surface.